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# SANDIA/LOS ALAMOS EPW PROGRAM

## HISTORICAL PERSPECTIVE OF ACCOMPLISHMENTS



### EARLY EPW STOCKPILE

- Mk 8 MOD 0
- Mk 11

### EPW DEVELOPMENTAL PROGRAMS

- RUMPLER  
GUN LAUNCHED ADM EPW
- BAYONET AND LEK  
LOW ALTITUDE AIRCRAFT DELIVERED EPW: LOW YIELD
- SOPWITH  
ROCK PENETRATING EPW

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# SANDIA/LOS ALAMOS EPW PROGRAM

## HISTORICAL PERSPECTIVE OF ACCOMPLISHMENTS

### W86 TACTICAL EPW FOR PERSHING II

- PHASE 3 START
- PHASE 3 CANCELLED

APRIL, 1979  
SEPT., 1980

### W86 PHASE DOWN PROGRAM & TECHNOLOGY

- W86 DEMONSTRATION COMPLETED  
DESIGN ON THE SHELF

JAN., 1982

### RV COMPATIBLE EPW DESIGN DEVELOPMENT

- LOW L/D DESIGN TESTED
- LOW L/D DESIGNS SUBMITTED
- LOW L/D HARD ROCK DESIGN TESTED
- LOW L/D DESIGN TESTED IN

SEPT., 1982  
SEPT., 1983  
APRIL, 1985  
JAN., 1986

DOE  
FOUO

DOE  
FOUO



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## DELIVERY SYSTEM CONSIDERATIONS

- SMALL ANGLE OF ATTACK
- CONTROL ANGLE OF OBLIQUITY; ESPECIALLY FOR CONCRETE/ROCK TARGETS
- IMPACT VELOCITY MUST BE TAILORED FOR SURVIVABILITY; DEPENDENT ON TARGET
- FOR CONCRETE/ROCK TARGETS THE ISSUE IS SURVIVABILITY

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- ACCURACY MAY BE VERY IMPORTANT**
- TO UTILIZE MULTIPLE, SIMULTANEOUS EPW BURSTS TO DRIVE PLANE<sup>A</sup>R-LIKE SHOCKS DEEP INTO THE GROUND
  - TO ALLOW PLACEMENT OF EPW'S INTO URBAN TARGETS

KDN 2/87  
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